



DoD Global Influenza and Other Respiratory Viral Pathogens Week 10 (6 Mar – 12 Mar) Weekly Surveillance Report



Number of new isolates for Week 10: **15 Influenza A, 2 Influenza B**

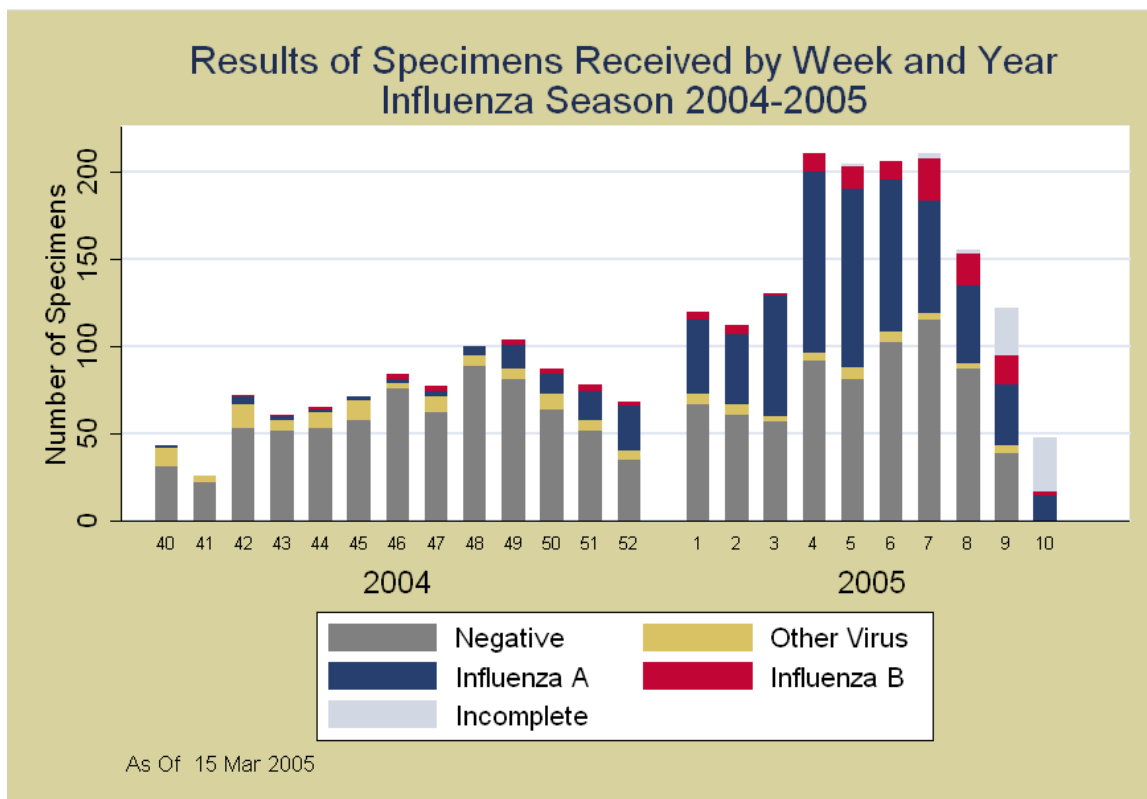
In addition, **23** influenza A and **23** influenza B isolates were newly identified during Week 10, but were collected prior to that week. The listing by individual bases is in a [table](#) at the back of the report.

To make the report shorter and easier to read “at a glance”, the CDC regional graphs have been linked to our website. [Click here](#) to get the CDC regional map and links to the graphs.

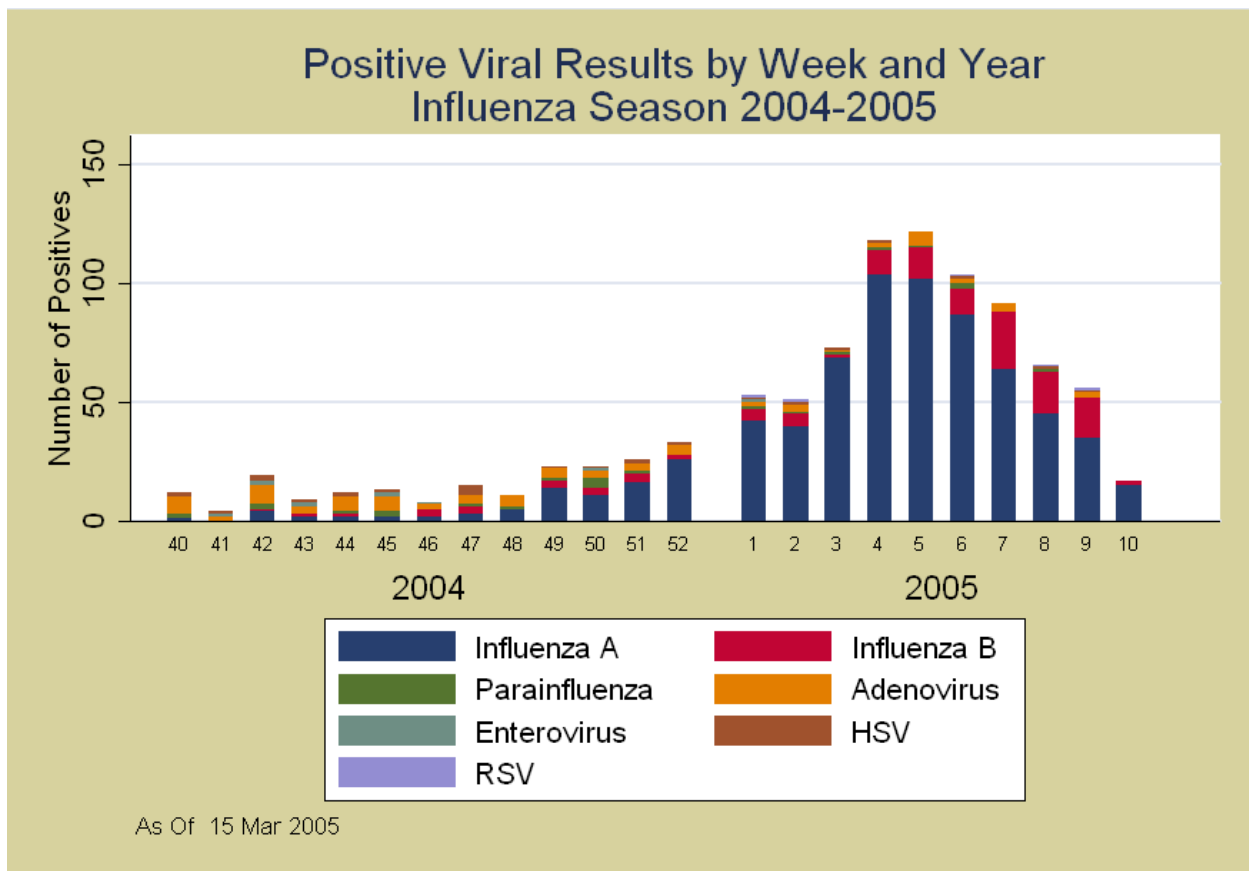
COMMENTS ON CURRENT TRENDS: Influenza activity continues to decrease among sentinel sites, and the CDC is reporting a continued decrease in activity as well. Health agencies in Europe and Japan report similar decreasing trends. There continues to be a relatively larger number of influenza B isolates later in the season, both from CONUS and overseas sites.

SUMMARY:

Since **3 October 2004**, the Epidemiological Surveillance Division (AFIOH/SDE) has processed 2399 specimens as part of the influenza surveillance program. Of those specimens, 691 (29%) were positive for influenza A, and 127 (5%) were positive for influenza B. In addition, 64 specimens are still being processed.



OVERALL DOD RESPIRATORY VIRAL SURVEILLANCE:

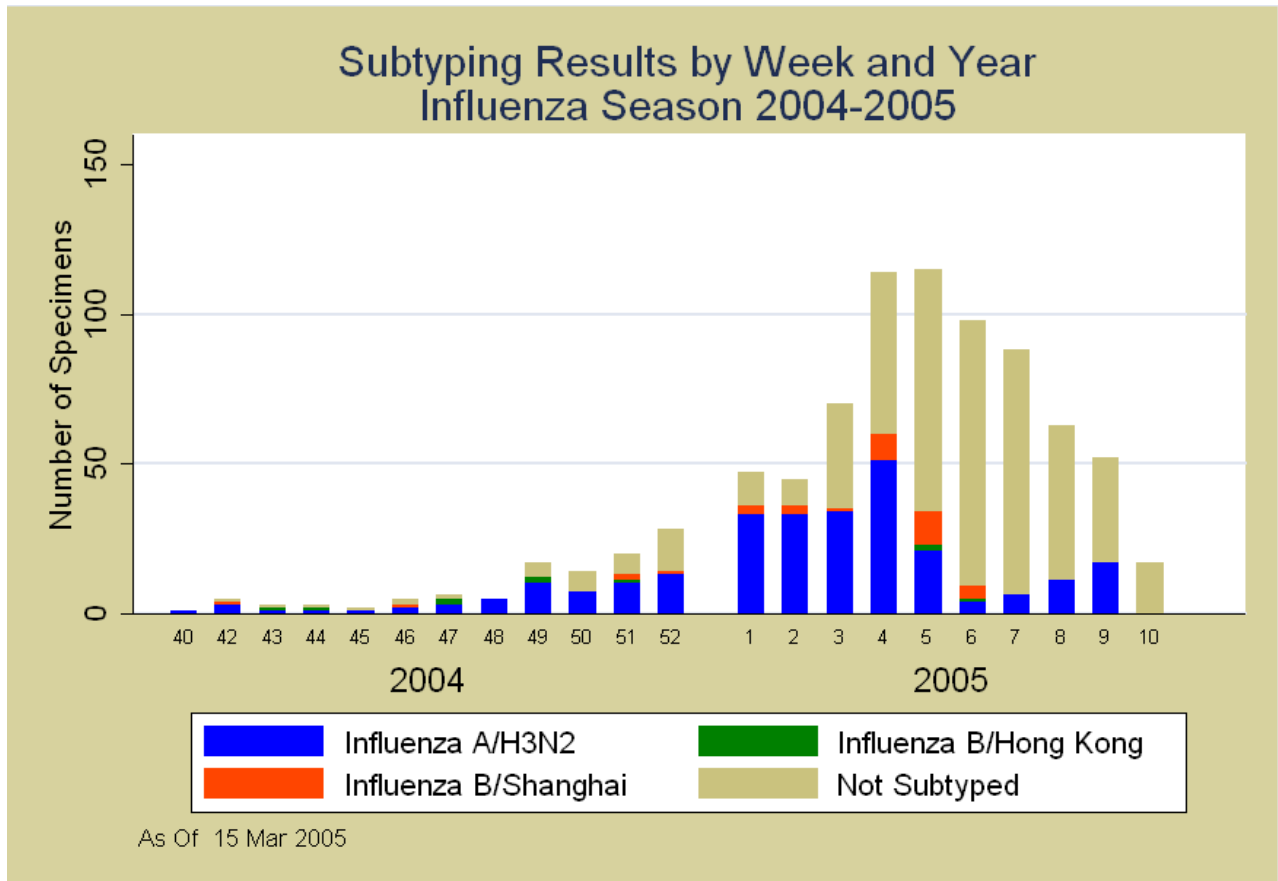


Note: Graphs do not include data from the NHRC, which conducts Febrile Respiratory Illness (FRI) surveillance among recruit populations. NHRC compiles this data into a separate report. For more information, visit the NHRC website at <http://www.nhrc.navy.mil/geis/>

SUBTYPING:

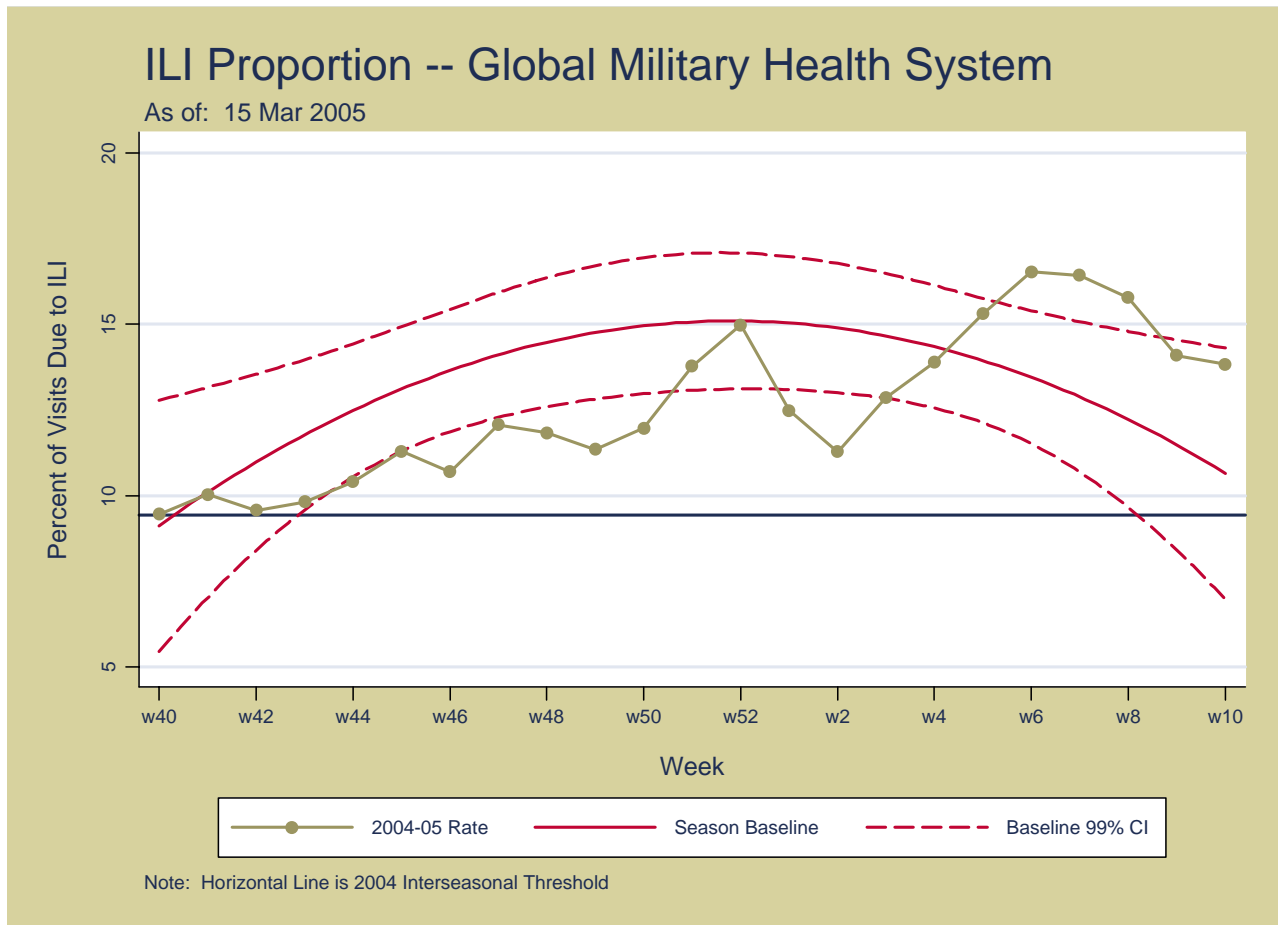
Since **3 October 2004**, we have subtyped 313 isolates using either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI): 267 are Influenza A/H3N2, 10 are Influenza B/Hong Kong, and 36 are Influenza B/Shanghai. The following graph summarizes overall subtyping results. Subtyping results for individual bases can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/>



INFLUENZA-LIKE ILLNESS:

This graph plots the percentage of weekly outpatient visits at military installations that had an ICD-9 code correlating with Influenza-Like Illness as defined by ESSENCE. Visit and coding data were taken from ESSENCE. A seasonal baseline and 99% confidence intervals are included for comparison. The baseline was calculated from ESSENCE data for the previous 2 years. Note that the ESSENCE definition for Influenza-Like Illness differs from the CDC definition. See our website for a detailed explanation.



Graphs for individual bases and regions can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILChartsform.cfm>

NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

During week 9 (the latest report available), CDC reported continued decreasing influenza activity. Laboratory surveillance identified 838 specimens (21.0%) positive for influenza. Of these, 73 were influenza A (H3N2), 541 were influenza A viruses that were not subtyped, and 224 were influenza B. Twenty-four states reported widespread influenza activity; 20 states reported regional activity; 5 states, New York City, and the District of Columbia reported local activity; and Puerto Rico reported sporadic activity.

INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/DataQuery/home.asp>

Week in review: **Weeks 9-10**

South America: Argentina reported sporadic activity.

Asia: China reported sporadic activity, and Iran reported a local outbreak.

Europe: Denmark and Portugal reported sporadic activity. France, Latvia, Poland, and Sweden reported local outbreaks. Belarus, Belgium, Finland, Italy, Norway, the Russian Federation, Switzerland, and Ukraine reported widespread outbreaks.

North America: The United States reported a widespread outbreak.

Africa: Tunisia reported a regional outbreak.

Note: WHO review has been expanded to the previous 2 weeks in order to capture delayed reports from countries.

ADDITIONAL INFORMATION:

- **Avian Influenza Update:** Ten new cases of influenza H5N1 in Viet Nam have been reported to the WHO* by the Vietnamese Ministry of Health. Three of the cases have since died. Some of the cases were identified in March, while others were retrospectively reported from as far back as January. The notification of these cases follows new reporting procedures developed within the MOH, with input from WHO. Since mid-December 2004 a total of 24 H5N1 cases have been detected in Viet Nam, 13 of which were fatal.

* Reported by WHO on 11 March 2005. For the full report, please see:

http://www.who.int/csr/don/2005_03_11/en/

- **Influenza-Associated Pediatric Deaths:** During week 9, two pediatric deaths were reported to the CDC. During the current season, the CDC has reported pediatric deaths related to influenza infection from 11 states: California, Colorado, Georgia, Maine, Massachusetts, Mississippi, New Jersey, New York, Ohio, Pennsylvania, and Vermont. Nine of the 15 reported pediatric deaths this year occurred in the last three weeks.

Please direct any questions or comments to: influenza@brooks.af.mil

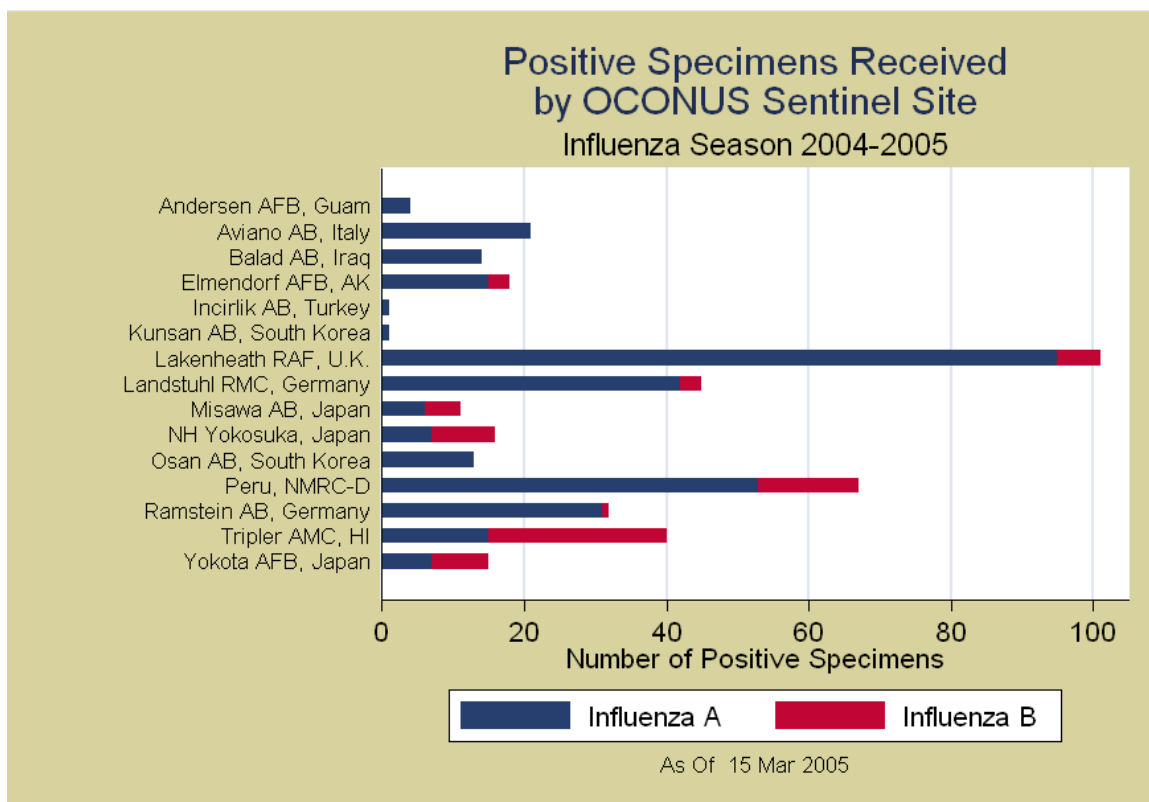
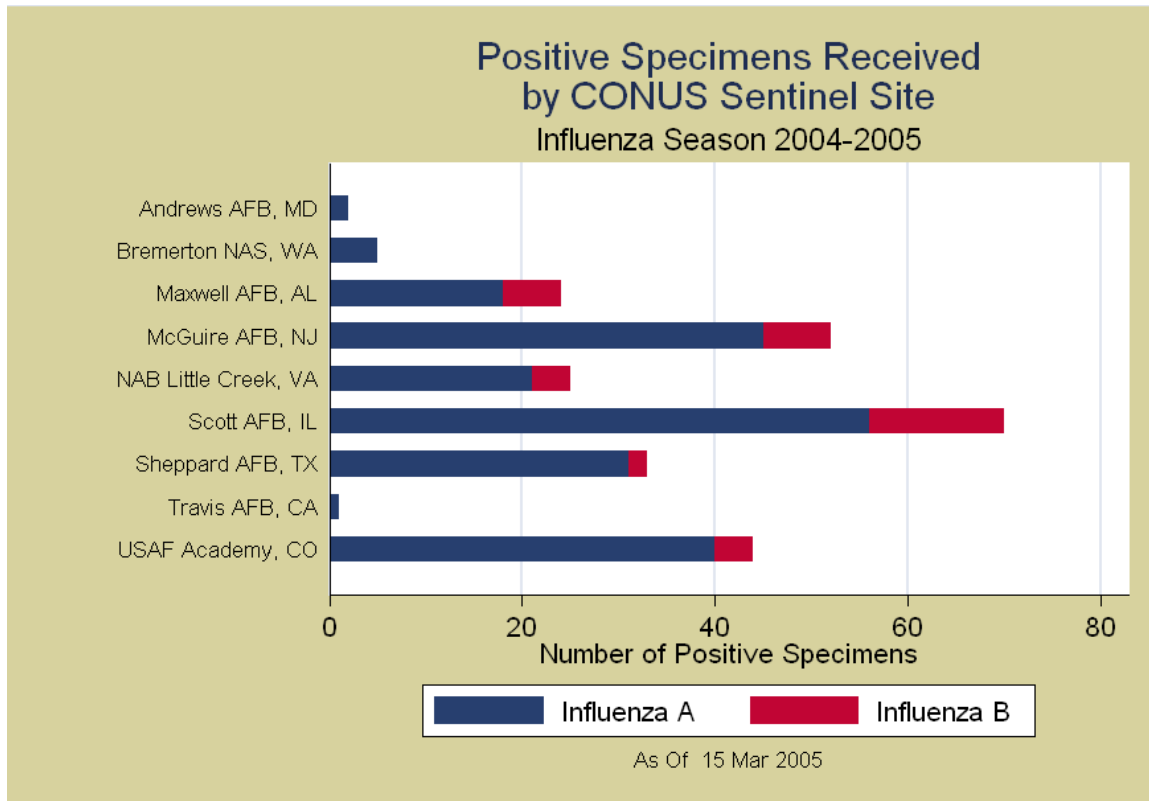
Tables 1 and 2: Respiratory Specimens Submitted by Sentinel Sites, and by Overseas Laboratories since October 3, 2004 (including Incomplete Processing)

AETC	Specimens Submitted
Maxwell AFB, AL	64
Sheppard AFB, TX	211
AMC	Specimens Submitted
Andrews AFB, MD	10
Travis AFB, CA	24
McGuire AFB, NJ	108
Scott AFB, IL	349
CENTCOM	Specimens Submitted
Ganci AB, Kyrg	0
Al Udeid AB, Qatar	3
Balad AB, Iraq	25
PACAF	Specimens Submitted
Hickam AFB/NS Pearl Harbor, HI	0
Kadena AB, Japan	1
Kunsan AB, Korea	8
Andersen AFB, Guam	13
Yokota AB, Japan	43
Misawa AB, Japan	43
Osan AB, Korea	30
Elmendorf AFB, AK	46
USAFA	Specimens Submitted
US Air Force Academy, CO	58

USAFE	Specimens Submitted
Incirlik AB, Turkey	18
Aviano AB, Italy	41
Ramstein AB, Germany	69
RAF Lakenheath, UK	240
ARMY	Specimens Submitted
Landstuhl RMC, Germany	47
Tripler AMC, HI	43
COAST GUARD	Specimens Submitted
CGS Ketchikan, AK	0
NAVY	Specimens Submitted
NMC San Diego, CA	5
NH Yokosuka, Japan	26
Bremerton NS, WA	13
NAB Little Creek, VA	63
<i>TOTAL for SENTINEL SITES</i>	<i>1601</i>

OVERSEAS LAB	Specimens Submitted
AFRIMS, Thailand	0
AFRIMS, Nepal	0
Nicaragua	0
NMRC-D, Peru	363
<i>TOTAL for OVERSEAS LABS</i>	<i>363</i>

SENTINEL SITE GRAPHS



Numbers and graphs for individual bases can be found on the AFIOH Influenza Surveillance website:
<https://gumbo.brooks.af.mil/pestilence/Influenza/>

Table 3. Summary of Recently Processed Specimens from All Sites

Location	Results of Specimens Processed during current week*				
	Negative	Influenza A	Influenza B	Adenovirus	Other
TOTAL	125	97	25	3	3**
NORTH AMERICA	92	26	6	1	3
PACOM	14	23	19	1	0
EUCOM	19	43	0	1	0
CENTCOM	0	1	0	0	0
SOUTH AMERICA	0	4	0	0	0

Comments: * Influenza A and B totals include recent subtyping results.

**1 HSV, 2 RSV

Table 4: Newly Identified Influenza Specimens this Week, by Base

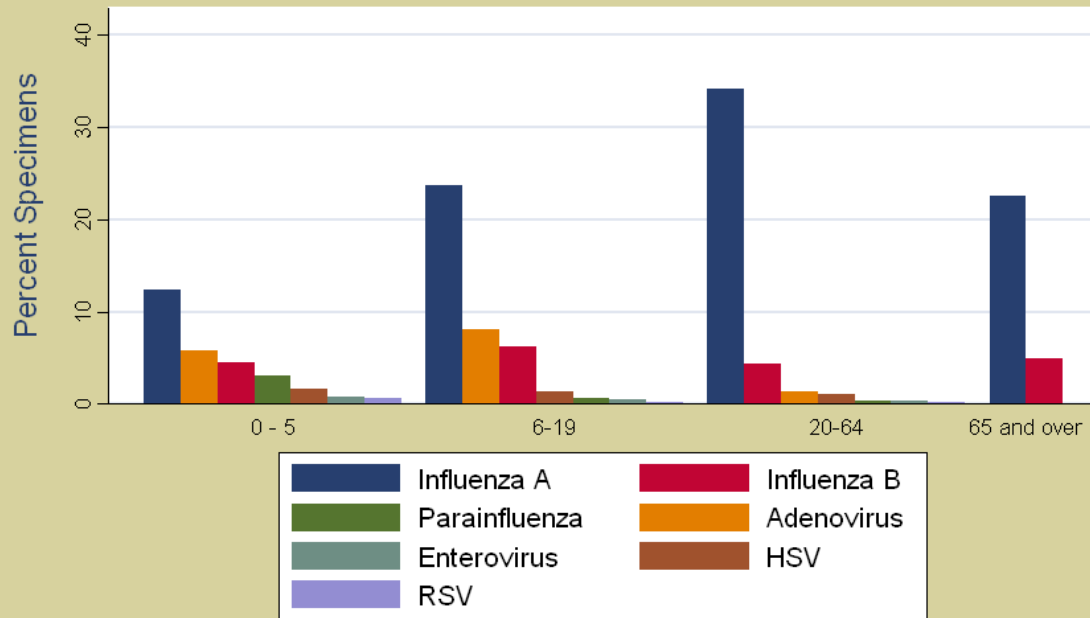
Site Name	Influenza A		Influenza B	
	New*	Old**	New*	Old**
Bremerton NAS, WA	1	2		
Elmendorf AFB, AK				2
Ft Campbell, KY				1
Keesler AFB, MS	1	1		
Lackland AFB, TX		1		
McGuire AFB, NJ				1
Scott AFB, IL			1	3
Shaw AFB, SC		1		
Sheppard AFB, TX		1		
121 st Army Hosp, Korea				1
Aviano AB, Italy		1		
Misawa AB, Japan	1			4
NH Yokosuka, Japan	4			
RAF Lakenheath, UK	5	4		
Ramstein AB, Germany	1	1		
Tripler AMC, HI		9		11
Yokota AFB, Japan	2	2	1	

*New: newly identified and collected during current week

**Old: newly identified, but collected prior to current week

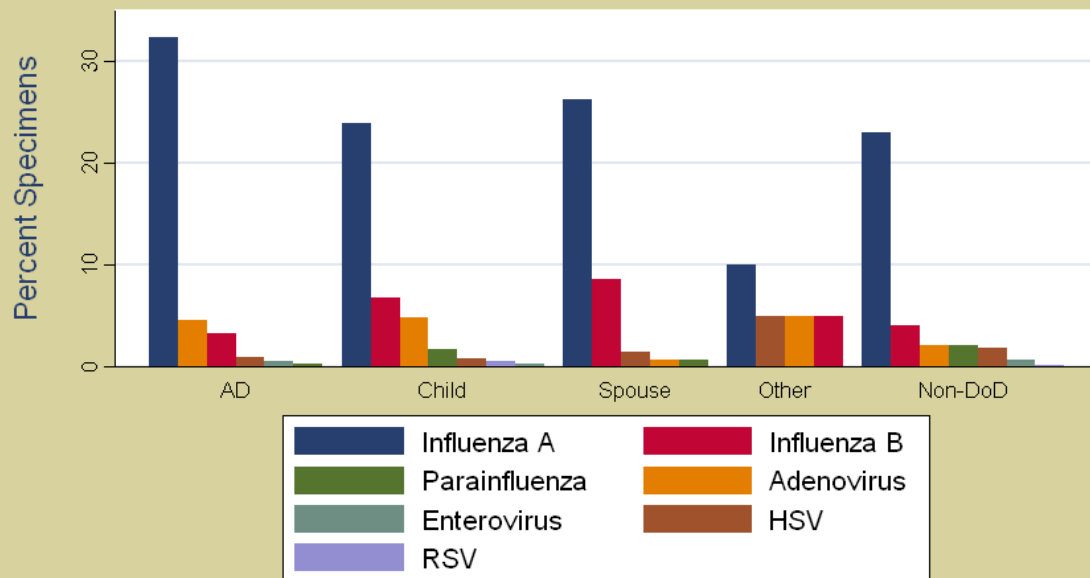
DEMOGRAPHIC GRAPHS

Percent of Respiratory Virus Submissions by Age Group
Influenza Season 2004-2005



As of 15 Mar 2005

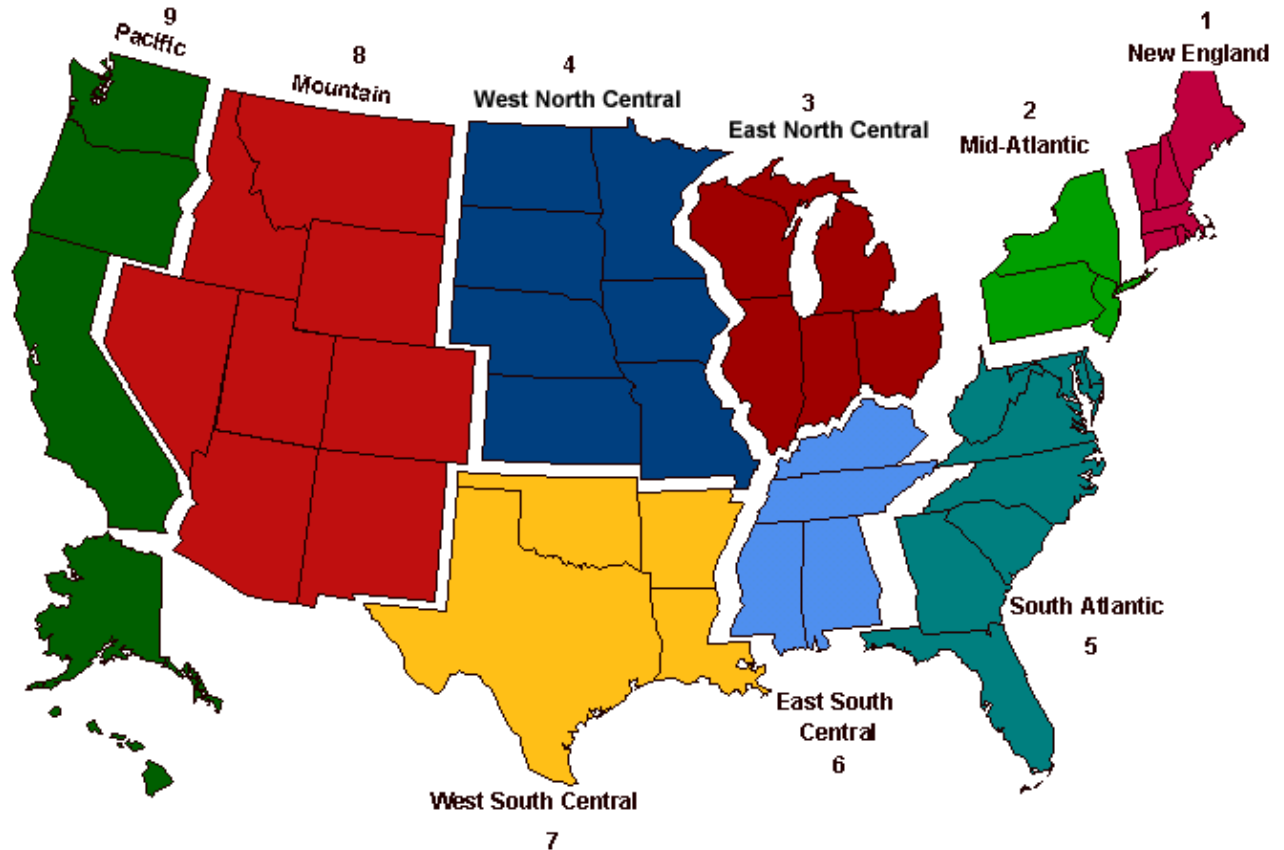
Percent of Respiratory Virus Submissions
by Family Military Prefix
Influenza Season 2004-2005



As of 15 Mar 2005

LINKS TO POSITIVE VIRAL RESULT GRAPHS BY CDC REGION

Click on links below map to access graphs.



[New England](#)

[West North Central](#)

[West South Central](#)

[Mid Atlantic](#)

[South Atlantic](#)

[Mountain](#)

[East North Central](#)

[East South Central](#)

[Pacific](#)

Overseas Bases:

[Pacific Rim](#) (includes bases in Japan, Korea, Guam)

[Europe](#) (includes bases in UK, Germany, Italy, Turkey)

[South America](#) (includes overseas lab in Peru)

[Deployed Areas](#) (includes sites in Iraq)